

COPIES of REPORTS to the BOARD OF TRADE by the TRINITY HOUSE of DEPTFORD STROND, the COMMISSIONERS of NORTHERN LIGHTHOUSES, and the COMMISSIONERS of IRISH LIGHTS, of their Inspection of LOCAL LIGHTHOUSES, BUOYS, and BEACONS (in continuation of Parliamentary Paper, No. 25, of Session 1909).

Board of Trade, }
9 March 1910.

H. LLEWELLYN SMITH.

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COPIES of REPORTS to the BOARD OF TRADE by the TRINITY HOUSE of DEPTFORD
IRISH LIGHTS, of their Inspection of LOCAL LIGHTHOUSES, BUOYS, and BEACONS

I.—REPORT of INSPECTION of LOCAL LIGHTS, &c, by the CORPORATION of

NAME OF LIGHT, &c.	Date of Visit.	Local Authority.	Light.		Height above High Water.	Source of Light.	Condition of Lenses, Apparatus, and Establishment generally.	
			Character.	System.				
NEW QUAY :	1899 :				<i>Fath.</i>			
One on Pier Head - -	27 Oct. -	Harbour Company, New Quay.	White with Red Sector, Fixed.	Reflector	40	Petroleum	Good	1
ABERYSTWYTH :								
One on Pier Head - -	12 Aug. -	Corporation of Aberystwyth, Do.	Red and White Sectors, Fixed.	Dioptic	35	Oil	Good	2
Two on Piers inside Harbour Entrance.	11 " -	"	Red, Fixed	Catoptric	15	Oil	Do.	3
One on Northern Breakwater.	13 " -	Do.	White and Green Sectors, Fixed.	Dioptic	25	Oil	Do.	4
ABERDEEN :								
One on Outer end of Jetty	27 Oct. -	Glasgow Railway Company.	White, Fixed	Lenses	9	Oil	Good	5
One on Inner end of Jetty	27 " -	Do.	Do.	Do.	29	Oil	Do.	6
One Leading Light on Hill.	27 " -	Do.	Do.	Reflector	59	Oil	Do.	7
One Leading Light on Hill.	27 " -	Do.	Do.	Do.	20	Oil	Do.	8
BARNHURST :								
Two Leading Lights near the Pier.	12 Aug. -	The Harbour Board, Barnmouth.	White, Fixed	Reflectors	35 and 14	Oil	Good	9
One on outer end of stone groyne Breakwater.	12 " -	Do.	Do.	Lamp	10	Oil	Do.	10
One at Terrace near Swing Bridge.	12 " -	Do.	Do.	Lenses	40	Gas	Do.	11
PORT MAHON :								
Buoys only - - -	6 Aug. -	Port Mahon Harbour Board.	—	—	—	—	—	12
PWLLHEDI :								
One at seaward end of groyne at South end of Harbour entrance near Llanhelfod Point.	6 Aug. -	Pwllheli Town Council.	Red, Fixed	Dioptic	20	Oil	Good	13
Light on the Knuckle of the Pier.	6 " -	Do.	White, Fixed	Triangular Shaped Lenses, Single Wick Lamp.	—	Oil	Do.	14
CARMARTHEN :								
Over Ferry Swing Bridge.	12 Aug. -	Corporation of Carmarthen.	Red, Fixed	Ordinary Square Lamp	10	Gas	Good	15
Two - one at each End of Bridge.	12 " -	Do.	White, Fixed	Circle Lamp	25	Do.	Do.	16

SHOWN, the COMMISSIONERS of NORTHERN LIGHTHOUSES, and the COMMISSIONERS of
(in continuation of Parliamentary Paper, No. 25, of Session 1909).

TRINITY HOUSE, in 1909, pursuant to the 532nd Section of the Act 57 & 58 Vict. c. 60.

Fog Signals.		Tide Signals.		Buoys and Beacons.				REMARKS.
Description.	Con- dition.	Description.	Con- dition.	No.	Colour, Shape, &c.	Con- dition.	If in best Position.	
1	—	—	—	—	—	—	—	Shown from September 17 to March 17 and occasionally at other times.
				1	Red Can Buoy	Good	Yes	
2	Good	Flag	Good	—	—	—	—	
3	—	—	—	—	—	—	—	Leading Lights shown when there is sufficient depth for vessels whose draft admits of taking the Harbour.
4	—	—	—	—	—	—	—	
5	—	—	—	—	—	—	—	Leading up Channel to Jetty.
6	—	—	—	—	—	—	—	
7	—	—	—	—	—	—	—	Exhibited when vessels are outside the Bar.
8	—	—	—	—	—	—	—	Do. do.
9	—	—	—	—	—	—	—	Tide Lights when vessels are expected and may enter.
10	—	—	—	—	—	—	—	Leading Lights, as has been from Buoy to lower Harbour Entrance.
11	—	—	—	3	Black Can Buoys	Good	Yes	Do. do.
				1	Black Can Buoy	Do.	Do.	
				1	Pile Beacon, Black, Cast.	Do.	Do.	
12	—	—	—	1	Black Conical Buoy	Unsatisfactory		Buoys dirty and colours indistinguishable, they follow no plan or system, shape, or colouring, and are not of any use to a stranger entering the Port.
				1	Red Buoy, Socket Top Mark			
				1	Red Buoy			
				1	Black and White Vertical Striped Buoy			
				3	Black Buoys			
				3	Black Buoys, Cast			
				2	Red Buoys, Cast			
13	—	—	—	—	—	—	—	
14	—	—	—	1	Pile Beacon, Spherical Cage, Black.	Good	Yes	Shown when vessels are going to and from the Quay at night.
15	—	2 Yellow Bells	Good	—	—	—	—	
16	—	—	—	—	—	—	—	Shown when bridge is closed.

I.—REPORT of Inspection of Local Lights, &c., by the

NAME OF LIGHT, &c.	Date of Visit.	Local Authority.	Light.		Height above High Water.	Source of Light.	Condition of Lantern, Apparatus, and Establishment generally.	
			Character.	System.				
CARRINGTON—cont.								
<i>After Ferry Soley Bridge—cont.</i>	1899:							
One at vertically 4 feet below.	12 Aug.	Corporation of Camaroon.	White, Fixed	—	22	Gas	Good	1
One inside Ferry Bridge Engine House.	12 "	Do.	Green, Fixed	—	27	Do.	Do.	1
One on fixed portion of Bridge.	12 "	Do.	Red, Fixed	Ordinary Lantern.	13	Do.	Do.	1
Blackdwy Island, shown at base of White Cyclist Tower on Blackdwy Point.	12 "	Camaroon Harbour Trustees.	Do.	Dioptric and Reflector.	22	Oil	Do.	4
One on South Pier Head of tidal entrance.	12 "	Do.	Do.	Ordinary Lantern.	20	Gas	Do.	4
One on Pile Pier Head, North of tidal entrance.	12 "	Do.	Green, Fixed	Do.	16	Do.	Do.	4
PESY-CHWANEL		Pier now removed.						
ROSEHEAD:								
One at end of Wooden Jetty.	9 Aug.	Board of Trade	White, Fixed	6th Order, Dioptric, Street Pattern Lantern.	33	Gas	Good	7
One at end of Wooden Jetty.	9 "	Do.	Red, Fixed	Do.	27	Do.	Do.	8
One at end of Wooden Jetty.	9 "	Do.	Do.	Do.	27	Do.	Do.	8
One in lower portion of Tower on the Old Pier.	9 "	Do.	Do.	16-in Reflector	20	Do.	Do.	10
One on Inner end of Moll Jetty.	9 "	Do.	Do.	—	60	Incandescent Gas.	Do.	11
One at entrance to Inner Harbour, South side.	9 "	London and North Western Railway Company.	Green, Fixed	—	20	Gas	Good	13
One at entrance to Inner Harbour, North side, at end of Fish Jetty.	9 "	Do.	Red, Fixed	—	20	Do.	Do.	13
One at Inner Harbour N.W. side, near the Steam.	9 "	Do.	White or Red, Fixed.	Arg.	29 ft. 54 W.	Electricity.	Do.	14
ANDWICH:								
One on South side of Outer Pier.	9 Aug.	Amberk Harbour Trustees.	White or Red, Fixed.	18-in Reflector	26	Incandescent Gas.	Good	15
GARRE:								
One on Pier Head	12 Aug.	Corporation of Bangor.	Red, Fixed	Lenses	36	Gas.	Good	16
MEVAL BRIDGE:								
One on outer end of Meval Bridge Pier.	12 Aug.	Meval Urban District Council.	Red, Fixed	Globe Lantern	20	Oil.	Good	17

Corporation of Trinity House, in 1899—continued.

Fog Signals.		Tide Signals.		Beacons and Buoys.				REMARKS.
Description.	Condition.	Description.	Condition.	No.	Colour, Shape, &c.	Condition.	It is best Position.	
1	—	—	—	—	—	—	—	Shown if there is likely to be delay in opening the bridge. To indicate when bridge is wrong open.
2	—	—	—	—	—	—	—	
3	—	—	—	—	—	—	—	
4	—	Black Ball	Good	—	—	—	—	This Light is exhibited as a guide to vessels approaching Cuxhaven Bar.
5	—	—	—	—	—	—	—	
6	—	—	—	1	Black Pillar Buoys, Staff and Globe.	Good	Yes	
				1	Black Conical Buoy . . .	Do.	Do.	
				12	Red Conical Buoy . . .	Do.	Do.	
				1	Red and White Horizontal Bands Buoy.	Do.	Do.	
				12	Black Conical Buoy . . .	Do.	Do.	
				1	Porch Beacon Black, Inverted Triangle.	Do.	Do.	
				1	Green Beacon, White . . .	Do.	Do.	
7	Bell	Good	—	—	—	—	—	Ordinary Street Pattern Lighthouse, each with one red pane facing seawards in line of Jetty.
8	—	—	—	—	—	—	—	
9	—	—	—	—	—	—	—	
10	—	—	—	—	—	—	—	
11	—	—	—	1	Red and White Horizontal Bands, spherical, Staff and Diamond.	Good	Yes	Shown only when entrance to Old Harbour is blocked for incoming or outgoing vessels.
				2	Black and White Chequered Con. with staff and cap.	Do.	Do.	
				2	Black and White Chequered Con.	Do.	Do.	
				1	Red, Conical . . .	Do.	Do.	
				1	Black, Square, Flat Top . . .	Do.	Do.	
12	Submarine Bell	Good	Red Flare and Lights, Black Ball, Green Lights.	Good	1	Black, Square, Flat Top Globe.	—	
13	—	—	—	—	—	—	—	
14	—	—	—	—	—	—	—	White when Inner Harbour is clear, Red when Inner Harbour is blocked.
15	—	—	Red	Good	—	—	—	Light for vessels entering.
16	—	—	—	—	—	—	—	
17	—	—	—	—	—	—	—	

I.—REPORT of Inspection of Local Lights, &c., by the

NAME OF LIGHT, &c.	Date of Visit.	Local Authority.	Light.		Height above High Water.	Source of Light.	Condition of Lenses, Apparatus, and Re-lighting externally.	
			Character.	System.				
PERKINS:	1900:				<i>Per.</i>			
One on North Pier Head -	12 Aug. -	Lord Perkins Do.	Green, Fixed	—	14	Gas	Good	1
One on South Pier Head -	12 " -	Do.	Red, Fixed	—	14	Do.	Do.	2
BEAUMARK:								
One on the Pier -	12 Aug. -	Town Council of Beaumaris.	Red, White, and Green, Fixed.	Lenses	17	Gas	Good	3
One on Mount Field -	12 " -	Do.	White with Red Sector, Fixed.	Do.	20 $\frac{1}{2}$	Do.	Do.	4
CONWAY:								
One at Mouth of Conway Estuary.	7 Aug. -	Commission of Conway.	White, Fixed	Wigham Oil Light.	15	Oil	Good	5
LEANDRUM:								
One at end of Pier -	7 Aug. -	Lealand Pier Company. Do.	Green, Fixed	—	20	Electricity	Good	6
One 5 feet below above Light.	7 " -	Do.	Red, Fixed	—	24	Do.	Do.	7
A buoy to mark end of Sever Outfall.	7 " -	Lealand Urban District Council.	—	—	—	—	—	8
COLWY:								
Two at the end of Rhos Fynach Pier.	13 Aug. -	W. Horton	Green, Fixed	—	25 and 19 $\frac{1}{2}$	Oil	Good	9
COLWYN BAY:								
One at the extreme end of new Pier extension, facing N.E.	13 Aug. -	Victoria Pier and Pavilion Company.	Red, Fixed	6-in. Reflector	20	Electricity	Good	10
Booy only -	13 " -	Colwyn Urban District Council.	—	—	—	—	—	11
BRIL:								
One in centre of Pier Head, facing seawards.	13 Aug. -	The Proprietors of Rhyd Ffronwen Pier.	Red, Fixed	Ordinary Puffin Lamp, no reflector.	25	Oil	Good	12
RIVER DEE:								
Two on Quayway -	13 Aug. -	Dee Conservancy Board.	White, Fixed	Lenses	16 and 20	Oil	Do.	13
One on Point at Canal's Quay.	13 " -	Do.	Do.	Do.	10	Do.	Do.	14
One on Quayway Bridge.	13 " -	Do.	Red and White, Fixed.	Do.	—	Do.	Do.	15
RIVER MERSEY:								
North-West Light-Vessel	16-17 Aug.	Mersey Docks and Harbour Board.	White, Revolving every 20 seconds.	Reflectors	50	Oil	Good	16
Bar Light-Vessel -	16-17 " -	Do.	White, Triple, Flashing twice a minute	Do.	50	Do.	Do.	17
Forsyth Light-Vessel -	16-17 " -	Do.	Red, Revolving every 20 seconds.	Do.	50	Do.	Do.	18
Crosby Light-Vessel -	16-17 " -	Do.	White, Flashing every 15 seconds.	Do.	27	Do.	Do.	19

Corporation of Trinity House, in 1908—continued.

Fog Signals.		Tide Signals.		Beacons and Buoys.				REMARKS.
Description.	Con- dition.	Description.	Con- dition.	No.	Colour, Shape, &c.	Con- dition.	If in best Position.	
1	—	—	—	—	—	—	—	A local lamp showing a red, white or green light is used to guide ships into their berth.
2	—	—	—	—	—	—	—	
3	—	—	—	—	1 Port, Beacon, Black, Staff and Barrel.	Had been collided with.	—	For guiding vessels navigating the Channel and to protect the Pier.
4	—	—	—	7	Red Conical Buoy	Good	Yes	For guiding vessels from Red buoy off shore extending to vessels cleared from Porten Point to Fryars Bay, and vice versa. The Red buoy is intended to keep vessels clear of Porten Point and off shore between that Point and Fryars Bay.
	—	—	—	9	Black Nar Buoy	Do.	Do.	
	—	—	—	1	Black and White, Horizontal Striped, Spherical Buoy.	Do.	Do.	
	—	—	—	2	Black Can Buoy	Do.	Do.	
5	—	—	—	—	—	—	—	
6	Good	Red Flag	Good	—	—	—	—	
7	—	—	—	—	—	—	—	Shown when vessels cannot go alongside Pier.
8	—	—	—	1	Green with Yellow Stripes, Conical.	Good	Yes	
9	—	—	—	—	—	—	—	
10	—	—	—	—	—	—	—	
11	—	—	—	1	Green and Yellow, Vertical Striped, Conical.	Good	Yes	To mark Sever Out-fall.
12	—	—	—	—	—	—	—	
13	—	—	—	—	—	—	—	Leading Lights up the River Dee, Guiding Light round the Point, Guiding Light through the opening span of the Bridge.
14	—	—	—	—	—	—	—	
15	—	—	—	—	—	—	—	
16	—	—	—	—	—	—	—	
	—	—	—	1	Black Torch Beacon, Barrel	Good	Yes	Outer Lightship in approach to Liverpool Bay.
	—	—	—	25	Black Pockles	Do.	Do.	
16	Fog Horn and Siren Bell	Good	—	—	—	—	—	1½ miles outside Queen's Channel Bar.
17	Do.	Do.	—	—	—	—	—	Leading Light over Queen's Channel Bar.
18	Fog Horn	Do.	—	—	—	—	—	In the elbow of Crosby Channel.
19	Do.	Do.	—	—	—	—	—	

I.—REPORT of Inspection of Local Lights, &c., by the

NAME OF LIGHT, &c.	Date of Visit.	Local Authority.	Light.		Height above High Water.	Source of Light.	Condition of Lighthouse, Apparatus, and Establishment generally.	
			Character.	System.				
RIVER MERRY— <i>east</i> .	1909:				<i>Feet.</i>			
Upper Merry Light-Tower	16-17 Aug	Merry Dock and Harbour Board.	White, Occulting.	Lenses.	25	Oil.	Good	1
Point Lynas " " "	16-17 "	Do.	Do.	Do.	125	Incandescent Oil.	Do.	2
Great Grass Head " " "	16-17 "	Do.	White and Red, Occulting.	Do.	326	Do.	Do.	3
Edinwa " " " "	16-17 "	Do.	White, Fixed.	Do.	211	Oil.	Do.	4
Rock " " " "	16-17 "	Do.	White, Flashing.	Do.	43	Do.	Do.	5
North Wall, attached to Crosby shore.	16-17 "	Do.	White, Group Occulting every 30 seconds.	Do.	55	Oil.	Do.	6
Hartington Lock — North Pier Head	16-17 "	Do.	Red, Fixed.	Ordinary Gas Lenses.	15	Gas.	Do.	7
Foremaster's Office	16-17 "	Do.	Do.	Do.	45	Do.	Do.	8
Bermingham Dock — One on Wall	16-17 "	Do.	Do.	—	30	Gas.	Do.	9
One between Nos. 1 and 2 Graving Docks.	16-17 "	Do.	Do.	—	40	Do.	Do.	10
One at S.W. Corner of Dock.	16-17 "	Do.	White and Red, Fixed.	—	29	Do.	Do.	11
One S.W. Corner of Dock Wall on Eagle Point.	16-17 "	Do.	Red, Flashing.	—	20	Oil, Gas.	Do.	12
Branswick Entrance: Outer	16-17 "	Do.	Red, Fixed.	—	27	Electricity.	Do.	13
Inner	16-17 "	Do.	Do.	—	47	Do.	Do.	14
Canada Basin (Docking Signal).	16-17 "	Do.	Green and Red, Fixed.	—	—	Gas.	Do.	15
Entrance N. Horn	16-17 "	Do.	Red, Fixed.	—	—	Do.	Do.	16
Entrance S. Horn	16-17 "	Do.	Green, Fixed.	—	—	Do.	Do.	17
Station Half-Tide Dock Entrance.	16-17 "	Do.	Red	—	—	Do.	Do.	18
Woodvale Landing Stage: South End	16-17 "	Do.	3 Red, Fixed.	—	—	Do.	Do.	19
North End	16-17 "	Do.	3 White, Fixed.	—	—	Do.	Do.	20
Walsby Landing Stage at each end.	16-17 "	Do.	3 White, Fixed.	—	—	Do.	Do.	21
Liverpool Landing Stage, South end.	16-17 "	Do.	1 Green and 2 White, Fixed.	—	31 and 26	Do.	Do.	22
Saltbury Dock, Victoria Tower.	16-17 "	Do.	—	—	—	—	—	23
George's Landing Stage, South end.	16-17 "	Do.	2 Red and 2 White, Fixed.	—	—	Gas.	Good	24
Bury and Beacon	16-17 "	Do.	—	—	—	—	—	25

Corporation of Trinity House, in 1900—continued.

Fog Signals.		Time Signals.		Days and Seasons.				REMARKS.
Description.	Construction.	Description.	Construction.	No.	Colour, Shape, &c.	Condition.	If in best position.	
1 Bell	Do.	—	—	—	—	—	—	Guide off Ormesby in Gulliver Channel for vessels navigating the River Mersey (Upper).
2 —	—	—	—	—	—	—	—	Gulliver Channel on North coast of Anglesey and in Red Wharf Bay.
3 —	—	—	—	—	—	—	—	Guide to vessels westward the coast of Wales.
4 —	—	—	—	—	—	—	—	Leading mark for navigating the River Mersey.
5 Two Fog Bells	Good	Black Bell	Good	—	—	—	—	At West side of entrance to River Mersey. Tidal Lights are shown down the River from lower windows while there is not less than 11 feet in the Back Channel.
6 Fog Horn	Do.	—	—	—	—	—	—	At East side of entrance to River Mersey, opposite the Back Light House.
7 —	—	—	—	—	—	—	—	Leading Lights 200 feet apart. Base Light 20 feet higher than front. Light on Pierhead's side also indicates North end of Devil's Rock.
8 —	—	—	—	—	—	—	—	Leading Lights 400 feet apart.
9 —	—	Flag	Good	—	—	—	—	Changes from White to Red on a N. 34° W. bearing, indicating the Roman margin of the Channel leading to the Upper Mersey.
10 —	—	—	—	—	—	—	—	To assist vessels navigating to and from the Upper Mersey and Gulliver Dock.
11 —	—	—	—	—	—	—	—	
12 —	—	—	—	—	—	—	—	
13 —	—	—	—	—	—	—	—	
14 —	—	—	—	—	—	—	—	
15 —	—	Ball	Good	—	—	—	—	
16 —	—	—	—	—	—	—	—	
17 —	—	—	—	—	—	—	—	
18 —	—	Flag	Good	—	—	—	—	
19 Fog Horn	Good	—	—	—	—	—	—	
20 Fog Bell	Do.	—	—	—	—	—	—	
21 Fog Triangle	Do.	—	—	—	—	—	—	
22 Bell	Do.	—	—	—	—	—	—	
23 Do.	Do.	Flag	Good	—	—	—	—	
24 Do.	Do.	—	—	—	—	—	—	
25 —	—	—	—	—	—	—	—	
26 —	—	—	—	—	—	—	—	
27 —	—	—	—	—	—	—	—	
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77 —	—	—	—	—	—	—	—	
78 —	—	—	—	—	—	—	—	
79 —	—	—	—	—	—	—	—	
80 —	—	—	—	—	—	—	—	
81 —	—	—	—	—	—	—	—	
82 —	—	—	—	—	—	—	—	
83 —	—	—	—	—	—	—	—	
84 —	—	—	—	—	—	—	—	
85 —	—	—	—	—	—	—	—	
86 —	—	—	—	—	—	—	—	
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88 —	—	—	—	—	—	—	—	
89 —	—	—	—	—	—	—	—	
90 —	—	—	—	—	—	—	—	
91 —	—	—	—	—	—	—	—	
92 —	—	—	—	—	—	—	—	
93 —	—	—	—	—	—	—	—	
94 —	—	—	—	—	—	—	—	
95 —	—	—	—	—	—	—	—	
96 —	—	—	—	—	—	—	—	
97 —	—	—	—	—	—	—	—	
98 —	—	—	—	—	—	—	—	
99 —	—	—	—	—	—	—	—	
100 —	—	—	—	—	—	—	—	

I.—REPORT of Inspection of Local Lights, &c., by the

NAME OF LIGHT, &c.	Date of Visit.	Local Authority.	Light.		Height above High Water.	Source of Light.	Condition of Lenses, Apparatus, and Surroundings, generally.
			Character.	System.			
RIVER HERBERT—cont. Beacons and Buoys—cont.	1909 : 16-17 Aug.	Mersey Docks and Harbour Board.	—	—	Ref.	—	—

Corporation of Trinity House, in 1909—continued.

Fog Signals.		Tide Signals.		Beacons and Buoys.				REMARKS.
Description.	Condition.	Description.	Condition.	No.	Colour, Shape, &c.	Condition.	Is in best Position.	
—	—	—	—	1	Red Conical Buoy with Torch and Globe.	Good	Yes	
				2	Red Conical Buoy showing White Flashing Light.	Do.	Do.	
				2	Red with Horizontal White Bands, Pillar, One Buoy, White Flashing Light.	Do.	Do.	
					<i>Green Channel.</i>			
				8	Black Can Buoy showing Red Flashing Light.	Do.	Do.	
				1	Black Can Buoy showing Red Flashing Light with Bell.	Do.	Do.	
				2	Black Bell-shaped Beacons, one with Bell showing Red Flashing Light, and one showing Green Flashing Light.	Do.	Do.	
				1	Red Bell-shaped Beacon - -	Do.	Do.	
				4	Red Conical Buoy showing White Flashing Light.	Do.	Do.	
				1	Red Conical Buoy showing Green Flashing Light.	Do.	Do.	
				1	Red Conical Buoy showing White Flashing Light with Bell.	Do.	Do.	
				1	Red Conical Buoy, Amphibious Lighted.	Do.	Do.	
				2	Red Conical Buoy - - -	Do.	Do.	
					<i>Green Channel.</i>			
				1	Red Conical Buoy with Torch and Globe.	Do.	Do.	
				1	Red Conical Buoy showing White Flashing Light.	Do.	Do.	
				2	Red Conical Buoy - - -	Do.	Do.	
				1	Black Can Bell Buoy with Staff and Cape.	Do.	Do.	
					<i>Red Channel.</i>			
				6	Black Can Buoy - - -	Do.	Do.	
				8	Black Can Buoy showing a Red Flashing Light.	Do.	Do.	
				1	Red Conical Buoy showing a White Flashing Light.	Do.	Do.	
				2	Red Conical Buoy - - -	Do.	Do.	
					<i>Green Channel.</i>			
				1	Conical, Red, Experimental Amphibious Buoy, showing a White Flashing Light.	Do.	Do.	"Bip Rap."
				1	Black and White Horizontal Striped, Spherical Buoy with Torch and Triangle.	Do.	Do.	"Brail."
					<i>Green Channel.</i>			
				1	Black Pillar Bell Buoy showing a Red Flashing Light.	Do.	Do.	
				4	Black Can Buoy - - -	Do.	Do.	
				1	Black Can Buoy showing a Red Flashing Light.	Do.	Do.	
				4	Red Conical Buoy - - -	Do.	Do.	
				1	Red Conical Buoy showing a White Flashing Light.	Do.	Do.	
					<i>Red Channel.</i>			
				2	Red Conical Buoy - - -	Do.	Do.	
					<i>Green Channel.</i>			
				2	Black Can Buoy - - -	Do.	Do.	
				6	Red Conical Buoy - - -	Do.	Do.	
				1	Black and White, Horizontal Bands, Spherical Buoy with Torch and Triangle.	Do.	Do.	
					<i>Green Channel.</i>			
				1	Pillar, Black with two White Bands.	Do.	Do.	
					<i>Green Channel.</i>			
				1	Black and White Vertical Striped, Conical, Glass Flashed Topped Buoy.	Do.	Do.	
					<i>Green Channel.</i>			
				1	Red with White Horizontal Bands, One Buoy with Torch and Diamond.	Do.	Do.	
					<i>Green Channel.</i>			
				1	Spherical, Black with White Horizontal Bands, Buoy with Torch and Diamond.	Do.	Do.	
					<i>Green Channel.</i>			
				1	Black Can Buoy - - -	Do.	Do.	

I.—Report of Inspection of Local Lights, &c., by the

NAME OF LIGHT, &c.	Date of Visit.	Local Authority.	Light.		Height above High Water.	Source of Light.	Condition of Lenses, Apparatus, and Miscellaneous generally.	
			Character.	System.				
MURRAY DOCK.—cont. Boys and Boats—cont.	1899 : 16-17 Aug.	Murray Docks and Harbour Board.	—	—	Foot.	—	—	1
	16-17 Aug.	By arrangement with the London and North Western Railway, these are now superintended by the Murray Docks and Harbour Board.	—	—	—	—	—	2
EASTMAN DOCK : Two at Eastern Entrance to the Manchester Ship Canal.	17 Aug.	Manchester Ship Canal Company.	White, Fixed.	Arg. Lamps.	17	Electricity.	Good.	3
EASTMAN PIERS : One in centre of outer side of Portico.	17 Aug.	Eastman Hotel Company.	White, Fixed.	Lens.	16	Oil.	Good.	4
One at West end of Portico.	17 "	Do.	Do.	Reflector.	3	Do.	Do.	5
One at East end of Portico.	17 "	Do.	Do.	Do.	3	Do.	Do.	6
BROWNHOPE DOCK : Boys only.	14 Aug.	Price's Patent Gas Co. Company, Limited.	—	—	—	—	—	7
	14 "	Lower Brothers, Limited.	—	—	—	—	—	8
WINDMILL : One light on each apex of the towers of the timber dolphins which surround the pier of the Transporter bridge between Widnes and Runcorn.	17 Aug.	Widnes and Runcorn Bridge Company.	Red, Fixed.	Diaphanous 6th Order.	12	Electricity.	Good.	9
One on either side of the Transporter pier.	17 "	Do.	Green, Fixed.	Do.	22	Do.	Do.	10
RUNCORN : One on Pier Head of Weston Murray Lock.	17 Aug.	Manchester Ship Canal Company.	Red, White, or Green can be shown in any direction.	—	50	Oil.	Good.	11
One on the Pier Head of Bridgewater Lock.	17 "	Do.	Do.	—	104	Do.	Do.	12
One on the Pier Head of Runcorn (Old Quay) Lock.	17 "	Do.	Red or White Fixed.	—	10	Do.	Do.	13

Corporation of Trinity House, in 1908—continued.

Fog Signals.		Tide Signals.		Buoys and Beacons.				REMARKS.
Description.	Con- dition.	Description.	Con- dition.	No.	Colour, Shape, &c.	Con- dition.	If in Best Position.	
1	—	—	—	1	Black Gun Buoy showing a Flashing Red Light.	Good	Yes	Used only as a Sur- veying Mark. Near Helms Island, making Helms Is- land.
				2	Red Conical Gun Buoy showing a Flashing White Light.	Do.	Do.	
				1	"Devil" Beacon, Black	Do.	Do.	
				1	"Beach Mark" Beacon, Black Diamond Top Mark.	Do.	Do.	
				1	"Key" Beacon, Black Diamond	Do.	Do.	
				1	"S. W. Mark" Beacon, Black Square and Circle.	Do.	Do.	
				1	"Victoria Beach Mark" Allot Black Circle.	Do.	Do.	
				1	"Crossed Beach Mark" South and Forebay Channel, Black Circle.	Do. Do.	Do. Do.	
				4	Monumental Mole Marks, Black Diamond.	Do.	Do.	
					Golden Channel.			
2	—	—	—	4	Black Gun Buoy, East side	Good	Yes	Forebay Point, Lead- ing Mark for Forebay Channel, Surveying Mark.
				2	Black and White Vertical Striped Gun Buoy, East side.	Do.	Do.	
				3	Red Conical Buoy, West side	Do.	Do.	
3	—	—	—	—	—	—	—	
4	—	—	—	—	—	—	—	In Summer and dur- ing part of the night this Light is re- placed by an elec- tric arc light about 25 feet above the water.
5	—	—	—	—	—	—	—	
6	—	—	—	—	—	—	—	
7	—	—	—	—	—	—	—	
8	—	—	—	—	—	—	—	
9	—	—	—	—	—	—	—	
10	—	—	—	—	—	—	—	
11	—	—	—	—	—	—	—	
11	—	—	—	—	—	—	—	
12	—	—	—	—	—	—	—	
13	—	—	—	—	—	—	—	
14	—	—	—	—	—	—	—	
15	—	—	—	—	—	—	—	
16	—	—	—	—	—	—	—	
17	—	—	—	—	—	—	—	
18	—	—	—	—	—	—	—	
19	—	—	—	—	—	—	—	
20	—	—	—	—	—	—	—	
21	—	—	—	—	—	—	—	
22	—	—	—	—	—	—	—	
23	—	—	—	—	—	—	—	
24	—	—	—	—	—	—	—	
25	—	—	—	—	—	—	—	
26	—	—	—	—	—	—	—	
27	—	—	—	—	—	—	—	
28	—	—	—	—	—	—	—	
29	—	—	—	—	—	—	—	
30	—	—	—	—	—	—	—	
31	—	—	—	—	—	—	—	
32	—	—	—	—	—	—	—	
33	—	—	—	—	—	—	—	
34	—	—	—	—	—	—	—	
35	—	—	—	—	—	—	—	
36	—	—	—	—	—	—	—	
37	—	—	—	—	—	—	—	
38	—	—	—	—	—	—	—	
39	—	—	—	—	—	—	—	
40	—	—	—	—	—	—	—	
41	—	—	—	—	—	—	—	
42	—	—	—	—	—	—	—	
43	—	—	—	—	—	—	—	
44	—	—	—	—	—	—	—	
45	—	—	—	—	—	—	—	
46	—	—	—	—	—	—	—	
47	—	—	—	—	—	—	—	
48	—	—	—	—	—	—	—	
49	—	—	—	—	—	—	—	
50	—	—	—	—	—	—	—	
51	—	—	—	—	—	—	—	
52	—	—	—	—	—	—	—	
53	—	—	—	—	—	—	—	
54	—	—	—	—	—	—	—	
55	—	—	—	—	—	—	—	
56	—	—	—	—	—	—	—	
57	—	—	—	—	—	—	—	
58	—	—	—	—	—	—	—	
59	—	—	—	—	—	—	—	
60	—	—	—	—	—	—	—	
61	—	—	—	—	—	—	—	
62	—	—	—	—	—	—	—	
63	—	—	—	—	—	—	—	
64	—	—	—	—	—	—	—	
65	—	—	—	—	—	—	—	
66	—	—	—	—	—	—	—	
67	—	—	—	—	—	—	—	
68	—	—	—	—	—	—	—	
69	—	—	—	—	—	—	—	
70	—	—	—	—	—	—	—	
71	—	—	—	—	—	—	—	
72	—	—	—	—	—	—	—	
73	—	—	—	—	—	—	—	
74	—	—	—	—	—	—	—	
75	—	—	—	—	—	—	—	
76	—	—	—	—	—	—	—	
77	—	—	—	—	—	—	—	
78	—	—	—	—	—	—	—	
79	—	—	—	—	—	—	—	
80	—	—	—	—	—	—	—	
81	—	—	—	—	—	—	—	
82	—	—	—	—	—	—	—	
83	—	—	—	—	—	—	—	
84	—	—	—	—	—	—	—	
85	—	—	—	—	—	—	—	
86	—	—	—	—	—	—	—	
87	—	—	—	—	—	—	—	
88	—	—	—	—	—	—	—	
89	—	—	—	—	—	—	—	
90	—	—	—	—	—	—	—	
91	—	—	—	—	—	—	—	
92	—	—	—	—	—	—	—	
93	—	—	—	—	—	—	—	
94	—	—	—	—	—	—	—	
95	—	—	—	—	—	—	—	
96	—	—	—	—	—	—	—	
97	—	—	—	—	—	—	—	
98	—	—	—	—	—	—	—	
99	—	—	—	—	—	—	—	
100	—	—	—	—	—	—	—	
101	—	—	—	—	—	—	—	
102	—	—	—	—	—	—	—	
103	—	—	—	—	—	—	—	
104	—	—	—	—	—	—	—	
105	—	—	—	—	—	—	—	
106	—	—	—	—	—	—	—	
107	—	—	—	—	—	—	—	
108	—	—	—	—	—	—	—	
109	—	—	—	—	—	—	—	
110	—	—	—	—	—	—	—	
111	—	—	—	—	—	—	—	
112	—	—	—	—	—	—	—	
113	—	—	—	—	—	—	—	
114	—	—	—	—	—	—	—	
115	—	—	—	—	—	—	—	
116	—	—	—	—	—	—	—	
117	—	—	—	—	—	—	—	
118	—	—	—	—	—	—	—	
119	—	—	—	—	—	—	—	
120	—	—	—	—	—	—	—	
121	—	—	—	—	—	—	—	
122	—	—	—	—	—	—	—	
123	—	—	—	—	—	—	—	
124	—	—	—	—	—	—	—	
125	—	—	—	—	—	—	—	
126	—	—	—	—	—	—	—	
127	—	—	—	—	—	—	—	
128	—	—	—	—	—	—	—	
129	—	—	—	—	—	—	—	
130	—	—	—	—	—	—	—	
131	—	—	—	—	—	—	—	
132	—	—	—	—	—	—	—	
133	—	—	—	—	—	—	—	
134	—	—	—	—	—	—	—	
135	—	—	—	—	—	—	—	
136	—	—	—	—	—	—	—	
137	—	—	—	—	—	—	—	
138	—	—	—	—	—	—	—	
139	—	—	—	—	—	—	—	
140	—	—	—	—	—	—	—	
141	—	—	—	—	—	—	—	
142	—	—	—	—	—	—	—	
143	—	—	—	—	—	—	—	
144	—	—	—	—	—	—	—	
145	—	—	—	—	—	—	—	
146	—	—	—	—	—	—	—	
147	—	—	—	—	—	—	—	
148	—	—	—	—	—	—	—	
149	—	—	—	—	—	—	—	
150	—	—	—	—	—	—	—	
151	—	—	—	—	—	—	—	
152	—	—	—	—	—	—	—	
153	—	—	—	—	—	—	—	
154	—	—	—	—	—	—	—	
155	—	—	—	—	—	—	—	
156	—	—	—	—	—	—	—	
157	—	—	—	—	—	—	—	
158	—	—	—	—	—	—	—	
159	—	—	—	—	—	—	—	
160	—	—	—	—	—	—	—	
161	—	—	—	—	—	—	—	
162	—	—	—	—	—	—	—	
163	—	—	—	—	—	—	—	
164	—	—	—	—	—	—	—	
165	—	—	—	—	—	—	—	
166	—	—	—	—	—	—	—	
167	—	—	—	—	—	—	—	
168	—	—	—	—	—	—	—	
169	—	—	—	—	—	—	—	
170	—	—	—	—	—	—	—	
171	—	—	—	—	—	—	—	
172	—	—	—	—	—	—	—	
173	—	—	—	—	—	—	—	
174	—	—	—	—	—	—	—	
175	—	—	—	—	—	—	—	
176	—	—	—	—	—	—	—	
177	—	—	—	—	—	—	—	
178	—	—	—	—	—	—	—	
179	—	—	—	—	—	—	—	
180	—	—	—	—	—	—	—	
181	—	—	—	—	—	—	—	
182	—	—	—	—	—	—	—	
183	—	—	—	—	—	—	—	
184	—	—	—	—	—	—	—	
185	—	—	—	—	—	—	—	
186	—	—	—	—	—	—	—	
187	—	—	—	—	—	—	—	

I.—REPORT of Inspection of Local Lights, &c., by the

NAME OF LIGHT, &c.	Date of Visit.	Local Authority.	Light.		Height above High Water.	Source of Light.	Condition of Lenses, Apparatus, and Establishment generally.
			Character.	System.			
RIVER WEATHER :							
One at Weston Marsh Lock	16 Aug.	Weaver Navigation Trustees.	White, Flashing	Dioptric	144	Wagon Oil Light.	Good
One at Weston Point	16 "	Do.	White, Fixed	Catoptric	70	Gas	Do.
GARTON AND WARRINGTON :							
Hale Head Light House	16 Aug.	Upper Mersey Navigation Commissioners.	White, Fixed	Lens and Reflector.	39	Oil	Good
Lightship off Spoke	16 "	Do.	Green 6 ft. above	Dioptric	27 and 21	Oil	Do.
Lightship off Ince	16 "	Do.	White, Fixed	Do.	27 and 23	Oil	Do.
Lightship off Ditton Brook	16 "	Do.	Do.	Do.	27 and 21	Oil	Do.
Beacon on foreshore at Witham Way near Hale Head.	16 "	Do.	White, Fixed	Do.	22	Oil	Do.
RIVER MERSEY :							
Four Lights on Boscum Bridge in iron frames attached to Stone Piers	17 Aug.	London & North Western Railway Company.	4 Red, Fixed	Reflector	194	Oil	Good
Light at Gorton Dock, Fur Head, Gorton Old Dock.	16 "	Do.	Red or White, Fixed	Reflector and Lenses	82	Gas	Do.
Pier Head, Gorton North Dock.	16 "	Do.	Do.	Do.	43½	Gas	Do.
North Dock High Light	16 "	Do.	Green, Fixed	Lens	71	Incandescent Gas.	Do.
North Dock Low Light	16 "	Do.	Do.	Do.	36½	Do.	Do.
BRIDGEHEAD :							
One on landing stage at New Ferry.	14 Aug.	Corporation of Birkenhead.	White, Fixed	Dioptric	26	Gas	Good
One on landing stage at Back Ferry.	14 "	Do.	Do.	Do.	18	Gas	Do.
One on landing stage at Woodside Ferry.	14 "	Do.	Do.	Pneumatic Lenses.	25½	Electricity	Do.
NEW BRISTOL, BIRMINGHAM AND SEACOMBE :							
One on landing stage at New Brighton.	14 Aug.	Wallasey Urban District Council.	White, Fixed	Lenses	25½	Gas	Good
One on landing stage at Blythwood.	14 "	Do.	Temporary Light	—	—	—	Do.
One on landing stage at Seacombe.	14 "	Do.	White, Fixed	Lenses	26½	Electricity	Do.
One on landing stage at Seacombe.	14 "	Do.	Red	—	—	Do.	Do.
STURHAM OVERT :							
Beacons and Beacons	10 July.	Orery Harbour Commissioners.	—	—	—	—	—
WELLS :							
Beacons and Beacons	10 July.	Wells Harbour Commissioners.	—	—	—	—	—

Cooperation of Trinity House, in 1909—continued.

Fog Signals.		Tide Signals.		Buoys and Beacons.				REMARKS.
Description.	Con- dition.	Description.	Con- dition.	No.	Colour, Shape, &c.	Con- dition.	If in best Position.	
1	—	—	—	—	—	—	—	
2	—	—	—	—	—	—	—	
3	—	—	—	—	—	—	—	
4	—	—	—	—	—	—	—	
5	—	—	—	—	—	—	—	
6	—	—	—	—	—	—	—	
7	—	—	—	3	White, Central Beacons, Cape Top Marks.	Good	Yes	
				40	Red, Central, Buoy - - -	Do.	Do.	
				47	Black, Central, Buoy - - -	Do.	Do.	
8	—	—	—	—	—	—	—	Two on the two piers of the Railway Bridge, looking East and two looking West.
9	Red	Good	Red and Blue Shaped Flare and Ball.	Good	—	—	—	To indicate when Dock Gates are closed or open.
10	Red	Do.	Do.	Do	—	—	—	
11	—	—	—	—	—	—	—	Leading Lights.
12	—	—	—	—	—	—	—	Do. do
13	—	—	—	—	—	—	—	
14	—	—	—	—	—	—	—	
15	—	—	—	—	—	—	—	Used only during foggy weather.
16	—	—	—	—	—	—	—	
17	—	—	—	—	—	—	—	
18	—	—	—	—	—	—	—	In addition to Naviga- tion Lights all Ferries are lighted with both gas and electricity, a num- ber of lamps being placed on the float- ing stages at New Dighton and Sta- combe Ferries.
19	—	—	—	—	—	—	—	
20	—	—	Black Flag	Good	1 White Gas Buoy with Staff and Flag. 2 Black Gas Buoy with Staff - 1 Beacon, White, Central Staff Top Mark.	Good Do. Do.	Yes Do. Do.	
21	—	—	—	—	20 Black, Gas, Buoy - - - 5 White, Gas, Buoy - - - 1 Red, Central, Buoy, with Staff and Globe.	Good Do. Do.	Yes Do. Do.	Buoys moved as re- quired for changes of Channel. "Fair- way Buoy."

I.—Report of Inspection of Local Lights, &c., by the

NAME OF LIGHT, &c.	Date of Visit.	Local Authority.	Light.		Height above High Water.	Source of Light.	Condition of Lantern, Apparatus, and Establishment generally.
			Character.	System.			
WELLS—cont. Bays and Beacon—cont.	1868 : 10 July.	Wells Harbour Commissioners.	—	—	Fat.	—	—
HOTLAKK : Black Outfall Beacon	16 Aug.	Hotlake and West Kirby Urban District Council.	Red, Fixed	Lens	12	Gas	Good

Corporation of Trinity House, in 1900—continued.

Fog Signals.		Tide Signals.		Buoys and Beacons.				REMARKS.
Description.	Con- dition.	Description.	Con- dition.	No.	Colour, Shape, &c.	Con- dition.	If in best Position.	
—	—	—	—	14	Port Beacon, 4 with Triangles on Starboard head, and 8 with Globe Top Mark on Port head, Black Beacon, with Staff and Globe.	Good.	Yes.	To mark Sower Oak- fall.
—	—	—	—	—	—	—	—	

(Signed) A. OWEN,
Secretary,
Trinity House, London, E.C.

II.—REPORT of INSPECTION of LOCAL LIGHTS, &c. by the COMMISSIONERS of NORTHERN LIGHTHOUSES in 1909.

Northern Lighthouse Board,
84, George Street, Edinburgh,
9th December 1909.

Sir,

I AM directed by the Commissioners of Northern Lighthouses to report, for the information of the Board of Trade, the result of their inspection of Harbour and Local Lights during the year 1909, in terms of "The Merchant Shipping Act, 1894," sec. 652 (4).

The lights at the following places were found in good order, viz. :—

<i>Fife</i> :—	<i>Nairn</i> :—
Inverkeithing.	Nairn.
St. Davids.	<i>Inverness</i> :—
Burntisland.	Inverness.
Kirkcaldy.	<i>Ross and Cromarty</i> :—
Elie.	Cromarty.
St. Andrews.	Avoch.
Tay Bridge.	Balintore.
<i>Forfar</i> :—	<i>Orkney</i> :—
Broughty Ferry.	Burray.
Arbroath.	Stronness.
Montrose.	<i>Lewis</i> :—
<i>Kincardine</i> :—	Stornoway.
Gourdon.	<i>Skye</i> :—
Stonehaven.	Dunvegan.
<i>Aberdeen</i> :—	<i>Argyll</i> :—
Aberdeen.	Blackmill Bay.
Peterhead.	Craignish.
Fraserburgh.	Crinan.
Rosehearty.	Schallisaig.
<i>Banff</i> :—	Croggan.
Macduff.	Tobermory.
Whitehills.	Innellan.
Portsoy.	<i>Ayr</i> :—
Cullen.	Largs.
Findochty.	<i>Bute</i> :—
Buckie.	Millport.
<i>Elgin</i> :—	
Lossiemouth.	
Hopeman.	

The lights at the following places were found to have certain minor defects, such as cracked lantern panes, &c. which have since been made good by the Harbour Authority concerned, viz. :—

<i>Fife</i> :—	Portknockie.
St. Monans.	Gardenstown.
Pittenweem.	<i>Ross and Cromarty</i> :—
Anstruther.	Invergordon.
Cellardyke.	<i>Argyll</i> :—
Crail.	Oban.
<i>Banff</i> :—	Dunollie.
Banff.	

The lights at the following places were defective in the respects mentioned, but all the defects have been or will be made good by the Local Authority concerned.

Uig.—Lantern and lamp worn out.

Wengus Bay.—Ill-kept and dirty.

Johnshaven.—In bad order. Reflectors and lanterns required repairs.

Sandhaven.—Lanterns dirty, and the arrangement for raising and lowering inner light unsatisfactory.

Burghead.—Reflectors worn out, and structures required painting.

Inverness.—The Rose Street Foundry Light, which should be green, was white.

Little Ferry.—Lights in bad condition and dirty.

Fortrose.—Lantern not weathertight, and arrangement of glasswork defective.

The Assistant Secretary,
Harbour Department, Board of Trade.

I am, Sir,
Your obedient servant,
(Signed) *William Coats*,
for Secretary.

III.—REPORTS of INSPECTION of LOCAL LIGHTS, &c. by the COMMISSIONERS of IRISH LIGHTS in 1909.

No. 1.

The following correspondence arose from a letter to the Board of Trade from the Admiralty on the subject of the stranding of the picquet boat of H.M.S. "Duncan," alleged to have been due to the inefficiency of the Galway leading lights.

No. 164.

Irish Lights Office,
Carlisle Building, Dublin,
20th April 1909.

Sir,

I AM directed by the Commissioners of Irish Lights to acknowledge the receipt of your letter of the 19th instant, on the subject of the alleged inefficient condition of the leading lights at Galway Harbour. In reply I am directed to forward herewith, for the information of the Board of Trade, a copy of a report of a recent inspection of these lights by their Inspector. A copy of this report is being forwarded this day to the Galway Harbour Commissioners.

The Assistant Secretary,
Harbour Department, Board of Trade.

I am, Sir,
Your obedient servant,
(Signed) *H. G. Cook*,
Secretary.

(Enclosure.)

GALWAY HARBOUR COMMISSIONERS.

Local Harbour Lights, M.P. 888, 17th October 1908.

Irish Lights Office, Dublin,
15th April 1909.

Sir,

I HAVE the honour to report, for the information of the Board, that from a recent inspection of the local lights under the jurisdiction of this Harbour Board, I find that the establishment of lights for navigational purposes consists of two lights in the vicinity of the floating dock and one on Nimmo Pierhead.

The light situated near the pierhead of the floating dock is of the incandescent gas type with three mantles and reflectors. This light, when the dock gates are open, shows green in the direction from which vessels approach from seaward, and red when the dock gates are closed. The inner dock light, which is situated on the side of the Harbour Master's house, is also of the incandescent gas type, with a burner of three mantles. This light always shows red in the direction from which the dock gates are approached by vessels from seaward, and, in conjunction with the pierhead light already mentioned, serves to guide vessels up to the dock entrance when they have passed inside of Nimmo Pierhead, but these lights are not intended for the guidance of vessels outside of Nimmo Pier.

As already reported, the new light on Nimmo Pierhead is visible in all directions, and can be seen about six miles to seaward. It is fitted with a burner carrying three incandescent gas mantles, which give a light of about 250 candle power. The focal plane height above high water of this light is about 20 feet.

The Secretary,
Commissioners of Irish Lights.

I am, Sir,
Your obedient servant,
(Signed) R. Deane,
Inspector.

H. 5470.

Board of Trade (H. Department),
7, Whitehall Gardens, London, S.W.,
30th April 1909.

Sir,

I AM directed by the Board of Trade to acknowledge the receipt of your letter of 20th April (No. 164), enclosing a copy of a report of a recent inspection of the lights at Galway by the Inspector of Irish Lights, and in reply I am to request that you will state to the Commissioners of Irish Lights that it appears to the Board of Trade that if the dock leading lights referred to in the Inspector's report are not efficient beyond the range of Nimmo Pier, they do not serve the purpose of guiding vessels into the docks. It appears, therefore, that representations should be made to the Galway Harbour Commissioners on the subject.

I am at the same time to request that the Board may be furnished with further information respecting the light on Nimmo Pier which was referred to in your letter of the 5th October last (No. 800), and I am to inquire whether the statutory sanction of the Commissioners was obtained for its exhibition, as no information respecting the establishment of the light appears to have reached this Department or the Admiralty.

The Secretary,
Commissioners of Irish Lights.

I am, Sir,
Your obedient servant,
(Signed) T. H. W. Pelham.

No. 472.

Irish Lights Office,
Carlisle Building, Dublin,
11th May 1909.

Sir,

I AM directed by the Commissioners of Irish Lights to acknowledge the receipt of your letter of the 30th ultimo on the subject of the lights in Galway Harbour, and to acquaint you, for the information of the Board of Trade, that the question of the efficiency of the dock leading lights has been referred to the Committee, who are about to proceed on their cruise of inspection, and who will give the matter their attention when in the locality.

The exhibition of the light on Nimmo Pier received the statutory sanction of the Commissioners, and Notice to Mariners (a copy of which is enclosed herewith) giving full particulars of the lights has been issued.

The Assistant Secretary,
Harbour Department, Board of Trade.

I am, Sir,
Your obedient servant,
(Signed) H. G. Cook,
Secretary.

(Enclosure.)

GALWAY HARBOUR.

NOTICE.

TO PILOTS, MASTERS OF VESSELS AND OTHERS.

NOTICE IS HEREBY GIVEN, that the Galway Harbour Commissioners have caused to be erected on outer end of Nimmo's Pier, at Galway Harbour, a pillar lamp-post, on which will be exhibited a fixed white gas light of 250 candle power. Height above high water, 20 feet. Light visible all round, penetrating about 6 miles seaward.

By Order,
(Signed) *T. N. Redington*,
Secretary.

Harbour Office, Galway, 1st March, 1909.

No. 471.

Irish Lights Office,
Carlisle Building, Dublin,
24th June 1909.

Sir,

WITH reference to your letter of the 30th April last, respecting the dock lights at Galway, I am directed by the Commissioners of Irish Lights to acquaint you, for the information of the Board of Trade, that a Committee of their Body inspected these lights on their recent visit to Galway and found that they do not guide vessels in from the roadstead, and that the attention of the Galway Harbour Commissioners has now been called to the fact, and they have been asked to consider the advisability of improving the lights.

I am, Sir,
Your obedient servant,
(Signed) *H. G. Cook*,
Secretary.

The Assistant Secretary,
Harbour Department, Board of Trade.

H 8473.

Board of Trade (H. Department),
7, Whitehall Gardens, London, S.W.,
28th August 1909.

Sir,

I AM directed by the Board of Trade to refer to your letter of the 24th June last (No. 471), in which you stated that the Commissioners of Irish Lights were in communication with the Galway Harbour Commissioners respecting the advisability of improving the dock lights at Galway, and I am to inquire if you are now in a position to inform the Board of the result of such communication.

I am, Sir,
Your obedient servant,
(Signed) *W. F. Marwood*.

The Secretary,
Commissioners of Irish Lights.

No. 171.

Irish Lights Office,
Carlisle Building, Dublin,
15th September 1909.

Sir,

WITH reference to your letter of the 28th ultimo, I am directed by the Commissioners of Irish Lights to acquaint you, for the information of the Board of Trade, that as a result of further correspondence with the Galway Harbour Board the Commissioners are satisfied that the light on the seaward end of Nimmo Pier is sufficient to enable vessels to approach the pier from the roadstead, and that the leading lights will then guide the vessels into the docks.

I am, Sir,
Your obedient servant,
(Signed) *H. G. Cook*,
Secretary.

The Assistant Secretary,
Harbour Department, Board of Trade,
London.

No. 2.

No. 667.

Irish Lights Office,
Carlisle Building, Dublin,
11th January 1910.

Sir,

I AM directed by the Commissioners of Irish Lights to forward herewith, for the information of the Board of Trade, a report of their inspection of the lights and seamarks under the jurisdiction of the Cork Harbour Board.

This completes the list of local inspections for the year ending 31st December, 1909.

The Assistant Secretary,
Harbour Department, Board of Trade.

I am, Sir,
Your obedient servant,
(Signed) *H. G. Cook*,
Secretary.

(Enclosure in No. 2.)

Irish Lights Steamer "Alexandra."

Accompanied by Captain Sutton, Harbour Master, the Committee on tour of inspection proceeded from Cork and inspected the following river marks under the jurisdiction of the Cork Harbour Board, and found them in good order.

(Signed) *A. G. Riell*,
Chairman.

28th June 1909.

CORK HARBOUR BOARD.—LOCAL INSPECTION.

Two Tivoli Leading Lights, fixed red. Starboard.
Black Can Buoy. Port.
Black Can Buoy. Port.
Red Conical Buoy. Starboard.
King's Quay Leading Lights, fixed red. Port.
Red Conical Light Buoy. Starboard.
Red Conical Buoy. Starboard.
Red Conical Buoy. Starboard.
Red Conical Buoy. Starboard.
Black Can Occulting Light Buoy. Port.
Dunkettle Leading Lights, white. Starboard.
Black Can Occulting Light Buoy. Port.
Red Conical Buoy. Starboard.
Black Can Buoy. Port.
Red Conical Buoy. Starboard.
Black Can Buoy. Port.
Red Conical Light Buoy, fixed.
Black Can Occulting Light Buoy. Port.
Red Conical Buoy. Starboard.
Lough Mahon Pile Light. Starboard. Fixed red.
Black Can Occulting Light Buoy. Port.
Red Conical Buoy. Starboard.
Black Can Buoy. Port.
Red Conical Light Buoy, fixed. Starboard.
Two Buoys in Foaty Channel, marking powder roads.
Black Can Occulting Light Buoy. Port.
Marino Point Leading Lights, white. Starboard.
Carrigaloe Buoy, Conical. Light fixed white. Starboard.
Monkstown Leading Lights, fixed white. Port.
Red Conical Buoy. Starboard.
Dolphin Light, fixed white. Starboard.
White Point, Red Conical Light Buoy, white, fixed. Starboard.
Rushbrook Leading Lights, fixed green. Starboard.
Middle Spit, Black Can Buoy. Port.

Black and White Conical Buoy. Middle.
Black Can Buoy. Port.
Red Conical Buoy. Starboard.
Boat Harbour Green Light, fixed. Starboard.
Camber Leading Lights, green, fixed. Starboard.
Bar Rock. Black Can Light Buoy, flashing. Middle.
Red Conical Buoy. Starboard.
Red Conical Buoy. Starboard.
Black Can Buoy. Port.
Red Conical Light Buoy, fixed. Starboard.
Red Conical Buoy. Starboard.
Black Can Buoy. Port.
Red Conical Buoy. Starboard.
Black Can Buoy. Port.
Spike Island Perch. Port.
Black Can Light Buoy, occulting. Port.
Black Can Buoy. Port.
Red Conical Buoy. Starboard.
Black Rock Perch. Starboard.
Black Can Buoy. Port.
Dognose Red Conical Buoy, Staff and Globe. Starboard.
Dognose Conical Red Light Buoy, fixed. Starboard.
Black Can Buoy No. 4. Port.
Black Can Buoy No. 3. Port.
Carlisle Leading Lights and Beacons, white fixed. Starboard.
Camden Fort Leading Lights, fixed red. Port.
Red Conical Buoy. Middle.
Black and White Buoy. Middle.
Black Can Light Buoy. Middle.
Red Conical Buoy. Middle.
Black and White Can Buoy. Middle.
Black Can Light-Boat, occulting. Middle.
Red Conical Light-Boat, fixed. Middle.
Black Can Light-Boat. Middle.
Roches Point Wreck Buoy.
